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PATENT  
TUC920010036US1  
0022.0008  
4/29/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
M. Blaum et al. )  
Serial No.: 10/038,163 )  
Filed: January 2, 2002 )  
For: METHOD, SYSTEM, AND )  
PROGRAM FOR )  
SYNCHRONIZATION AND )  
RESYNCHRONIZATION OF A )  
DATA STREAM )

Examiner: Not Yet Assigned  
Art Unit: 2859

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Assistant Commissioner of Patents  
Washington, D.C. 20231

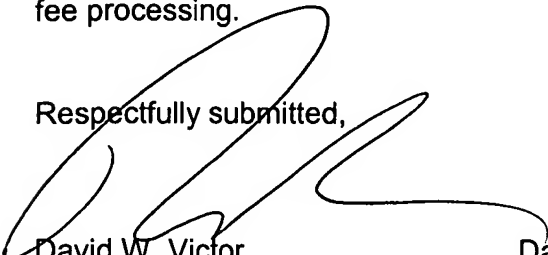
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Dear Sirs:

In accordance with 37 CFR §§ 1.56, 1.97, and 1.98, enclosed please find Form PTO-1449 listing the attached references which might be deemed material to the examination of the above-identified application. Applicants submit that no fee is needed nor should be charged with the submittal of this Information Disclosure Statement (IDS) because this IDS is being submitted under 1.97(b) in that the IDS is being filed before the mailing date of a first Office Action on the merits or within three months of the filing date of a national application other than a continued prosecution application under 1.53(d). Applicants submit that a first Office Action has not been received in the above referenced case.

Nonetheless, should any fee be deemed necessary, please charge any insufficiency or credit any overpayment to Deposit Account No. 50-0585. A duplicate of this letter is enclosed for fee processing.

Respectfully submitted,

  
David W. Victor

Dated: April 18, 2003

Registration No. 39,867

KONRAD RAYNES VICTOR & MANN, LLP

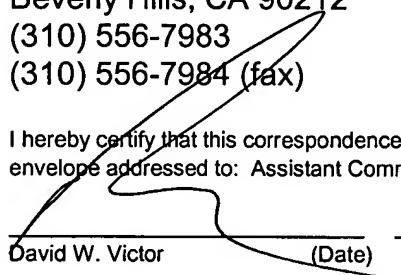
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David W. Victor

(Date)

4/18/03

Docket Number  
TUC920010036US1Application Number  
10/038,163INFORMATION DISCLOSURE CITATION  
IN AN APPLICATIONApplicant  
M. Blaum et al.Filing Date  
January 2, 2002Group Art Unit  
2859

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5	2	9	1	4	9	9	01 Mar 1994	Behrens et al.			
	5	3	4	1	3	8	7	23 Aug 1994	Nguyen			
	5	5	2	1	9	4	5	28 May 1996	Knudson			
	5	6	3	5	9	3	3	06/03/97	Fitzpatrick et al.			
	5	6	6	1	7	6	0	26 Aug 1997	Patapoutian et al.			
	5	7	5	7	2	9	4	05/26/98	Fisher et al.			
	5	7	5	7	8	2	2	26 May 1998	Fisher et al.			
	5	8	3	8	7	3	8	17 Nov 1998	Zook			
	5	8	4	4	5	0	7	12/01/98	Zook			
	5	9	9	9	1	1	0	07 Dec 1999	Blaum et al.			
	6	0	1	8	3	0	4	25 Jan 2000	Bessios			
	6	0	2	1	0	1	1	01 Feb 2000	Behrens et al.			
	6	0	3	2	2	8	4	29 Feb 2000	Bliss			
	6	0	4	6	6	9	1	04/04/00	Aziz et al.			
	6	0	7	2	4	1	0	06/06/00	Kim			
	6	0	9	7	3	2	0	08/01/00	Kuki et al.			
	6	0	9	7	3	2	1	08/01/00	Sayiner			
	6	1	1	5	1	9	8	05 Sep 2000	Reed et al.			
	6	1	1	9	2	6	5	12 Sep 2000	Hara			
	6	1	3	0	6	2	9	10/10/00	Aziz et al.			
	6	1	5	0	9	6	4	11/21/00	McLaughlin			
	6	1	5	7	3	2	5	12/05/00	Kahlman et al.			
	6	1	8	4	8	0	6	02/06/01	Patapoutian et al.			
	6	1	8	5	1	7	5	06 Feb 2001	Zook			
	6	4	2	9	9	8	6	08/06/02	Blaum et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
	0	7	5	1	5	2	2	02 Jan 1997	EP			Full	
	0	7	6	4	9	5	0	26 Mar 1997	EP			Full	
	10	0	2	7	4	3	3	27 Jan 1998	JP			Abs.	Full

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

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**Applicant**  
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January 2, 2002

**Group Art Unit**  
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	9	4	1	8	6	7	0	18 Aug 1994	PCT			Full	
	9	7	0	8	8	3	6	06 Mar 97	PCT			Full	
	9	7	1	6	0	1	1	01 May 1997	PCT			Full	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

Fredrickson, L. "Synchronization Sequence Detection Using a Modified Trellis Code Viterbi Detector", *IBM Technical Disclosure Bulletin*. Vol. 38, No. 6, June 1995. Pp. 145-150.

McLaughlin, S. W., P. Lee, and R. Cloke. "Codes for Improved Timing Recovery in \*PR4\* and \*EPR4\* Magnetic Recording", *GLOBECOM 97. IEEE Global Telecommunications Conference*. Vol. 3, 1997. p. 1235-9. (Abs.)

McLaughlin, S.W., P. Lee, R. Cloke, and B.V. Vasic. "One-Pairs Codes for Partial Response Magnetic Recording", *IEEE Transactions on Magnetics*, Vol. 35, No. 3, May 1999. Pp. 2080-2086.

U.S. Patent Application Serial No. 10/037753, filed on January 2, 2003, entitled, "Method and Apparatus for Encoding data to Guarantee Isolated Transitions in a Magnetic Recording System", invented by M. Blaum, G.A. Jacquette, B.H. Marcus, and C.M. Mela.

**EXAMINER****DATE CONSIDERED**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.